

Title (en)
PROCESSES FOR PRODUCING TITANIUM DIOXIDE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON TITANDIOXID

Title (fr)
PROCÉDÉS DE FABRICATION DE DIOXYDE DE TITANE

Publication
EP 2310322 B1 20170308 (EN)

Application
EP 08797260 A 20080806

Priority
US 2008072308 W 20080806

Abstract (en)
[origin: WO2010016835A1] Provided are processes for the production of titanium dioxide from ilmenite. In these processes, ilmenite is digested with aqueous trimethylammonium hydrogen oxalate. Iron from the ilmenite precipitates as a hydrated iron oxalate and is removed by filtering, leaving a titanium-rich solution. The titanium-rich solution can be further processed to form titanium dioxide.

IPC 8 full level
C01G 23/053 (2006.01); **C01G 23/08** (2006.01); **C01G 49/02** (2006.01); **C22B 34/12** (2006.01)

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C01G 23/053 (2013.01 - EP KR); **C01G 23/08** (2013.01 - EP KR); **C01G 49/02** (2013.01 - EP KR); **C09C 1/36** (2013.01 - KR); **C22B 3/165** (2013.01 - EP); **C22B 34/124** (2013.01 - EP); **C22B 34/1259** (2013.01 - EP); **Y02P 10/20** (2015.11 - EP)

Cited by
US10287176B2; US10294117B2; US10407316B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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